Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Detailed Estimated for Metalling of Roads & Construction of Drains & Culverts at Narayanaswamy Layout 1st & 2nd Cross Abbigere, in Shettyhalli Sub Division, Ward No-12.

Est .Cost Rs. 9.90 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.2: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.2/ PWD SR 2009-10	Cum							
			1	184.00	5.00	0.35	322.00		
			1	240.00	4.80	0.35	403.20		
							725.20	127.20	**92245**
	Basic Rate	120.00							
	Area Weightage 6%	7.20							
		127.20							
2	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2009-10	Cum							
	Culverts		2	7.00	2.00	1.30	36.40		
							36.40	109.18	**3974**
	Basic Rate	103.00							
	Area Weightage 6%	6.18							
		109.18							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.3/ PWD SR 2009-10	Cum							
	Culverts		2	7.00	1.80	0.15	3.78		

							3.78	3153.50	**11920**
	Basic Rate	2,975.00							
	Area Weightage 6%	178.50							
		3,153.50							
4	KSRB 5.3-3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 21/ Item No. 5.9/ PWD SR 2009-10	Cum							
	Culverts		2x2	7.00	0.60	0.90	15.12		
							15.12	2776.14	**41975.2**
	Basic Rate	2,619.00							
	Area Weightage 6%	157.14							
		2,776.14							
5	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.6/ PWD SR 2009-10	Cum							
	Culverts		2x2	7.00	0.60	0.10	1.68		
							1.68	3845.68	**6461**
	Basic Rate	3,939.00							
	Area Weightage 6%	236.34							
		4,175.34							
6	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 96/ Item No. 15.1 / PWD SR 2009-10	Cum							
	Culverts		2x2	7.00		0.90	25.20		
							25.20	57.13	**1440**
	Basic Rate	53.90							
	Area Weightage 6%	3.23							
		57.13							

7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixe concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-15 (1:2:4) for raft foundation, column footing, main and secondary beams. Page No. 17/ Item No. 4.48.1/ PWD SR 2009-10	Cum								
	Culverts		2	7.00	1.80	0.23	5.80		
							5.80	4386.28	**25423**
	Basic Rate	4,138.00							
	Area Weightage 6%	248.28							
		4,386.28							
8	KSRB 4.9.2: providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 16/ Item No. 4.46/ PWD SR 2009-10	Q								
							6.96	5031.14	**34993**
	Basic Rate	4,697.00							
	Area Weightage 6%	334.14							
		5,031.14							
9	Providing, laying spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screeing/binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density Material (Refer table 400-7, 8&9) Using Screening Crushable type such as Moorum or Gravel Grading-II (Manual) No.141 / Item No.20.14.1 / PWD SR 2009-10	Cum								
			1	184.00	5.00	0.15	138.00		
			1	240.00	4.80	0.15	172.80		
							310.80	1245.50	**387101**
	Basic Rate	1,175.00							
	Area Weightage 6%	70.50							
		1,245.50							

10	Providing, laying spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / ibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requistie type of screeing /binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density Mateial (Reder table 400-7, 8&9) Using Screeing Type-B (11.2mm agg.) Grading-III (Manual) No. 142 /Item No.20.14.3 / PWD SR 2009-10	Cum							
			1	184.00	5.00	0.10	92.00		
			1	240.00	4.80	0.10	115.20		
							207.20	1414.04	292989
	Basic Rate	1,334.00							
	Area Weightage 6%	80.04							
		1,414.04							
11	KSRRB 400-1.3: Carriage of mixed materials 10 Kms, For items of sl.no 19.1 to 19.6 and 19.8to 19.16 Page o 144 /Note1 / PWD SR 2009-10	Cum							
							518.00	79.24	41044
	Basic Rate	74.75							
	Area Weightage 6%	4.49							
		79.24							
12	Conveying the excavaed earth to a distance of 2kms with all lead & lifts including loading & unloading charges etc., complete.(P-123)	Cum							
	Qty Vide Item No=1						725.20		
	Qty Limited to						**706.00**	71.34	**50365**
	Basic Rate	67.30							
	Area Weightage 6%	4.04							
		71.34							
13	Miscellaneous and unforseen Charges								**70**
								Total	**990000**

(Rupees Nine Lakhs Ninety Thousand Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2009-10
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Shettyhalli Sub-Division

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP